

PATENT APPLICATION

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takashi YANAGISAWA et al.

Group Art Unit: 1714

Application No.: 10/098,570

Filed: March 18, 2002

Docket No.: 112309

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For: FLUORINATED CARBON FIBER, AND ACTIVE MATERIAL FOR BATTERY AND
SOLID LUBRICANT USING THE SAME

INFORMATION DISCLOSURE STATEMENT

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The references were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☒ 3. Reference no. 4 (Endo et al., "Structural characterization of cup-stacked nanofibers with an entirely hollow core") was filed with the Information Disclosure Statement submitted to the U.S. Patent and Trademark Office on July 8, 2002.

Respectfully submitted,

James A. Oliff
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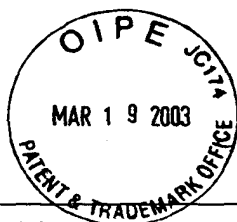
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Form PTO-1449 (REV. 8-83) US Dept. of Commerce PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY DOCKET NO. 112309	APPLICATION NO. 10/098,570
	APPLICANTS Takashi YANAGISAWA et al.	
	FILING DATE March 18, 2002	GROUP 1714

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	1	EP 0 198 558 A2	10/22/1986	Europe		
	2	EP 1 122 344 A2	08/08/2001	Europe		
	3	EP 0 421 306 A2	04/10/1991	Europe		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	4	Endo et al., "Structural characterization of cup-stacked nanofibers with an entirely hollow core," APPLIED PHYSICS LETTERS, Vol. 80, No. 7, February 18, 2002, pp. 1267-1269. (Filed with IDS submitted on July 8, 2002).
	5	Terrones et al., "Graphitic cones in palladium catalysed carbon nanofibres," CHEMICAL PHYSICS LETTERS, Vol. 343, August 3, 2001, pp. 241-250.
	6	Endo et al., "Pyrolytic Carbon Nanotubes from Vapor-Grown Carbon Fibers," CARBON, ELSEVIER SCIENCE PUBLISHING, New York, NY, Vol. 33, No. 7, 1995, pp. 873-881.

EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Date: March 19, 2003